

The New Mix:
Project Advisory Committee (PAC) Meeting #4C
December 08, 2022



HNTB



Ice Breaker Activity



Agenda

- **Welcome Back!**
- **Review PEL Study Progress**
- **Workshop Activity**
- **Next Steps**



Since Our Last Meeting...

You have been:



Providing input for the New Mix Program's PEL Study.



Checking email for information about the New Mix Program.

We have been:



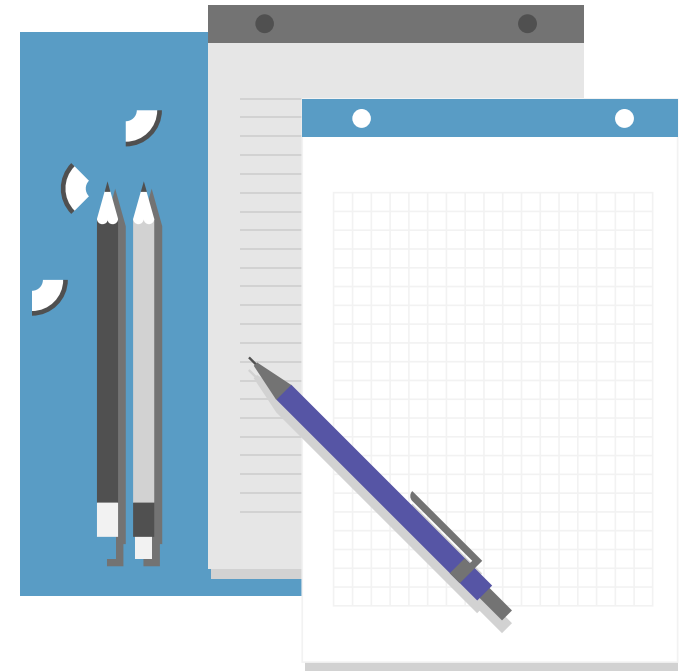
Obtaining Input from PAC members, stakeholders, and the public.



Refining the PEL Vision Statement



Refining the Evaluation Criteria.



Feedback and Documentation



- ➡ Formal response will be provided
- ➡ Responses will be documented in PAC 4A Report of Meeting
- ➡ Formalized the Stacked I-84 alternative to be incorporated into the Level 1 Screening Report

The I-84 *New Mix* PEL Study

CTDOT desires to establish a vision, or master plan, for the interchange that addresses and balances the regional importance of the Mixmaster for commuter traffic and motor freight users, while also improving multi-modal services, local connections and livability within the city of Waterbury to enhance and support social equity and economic vitality.



New Mix Vision



84new
mix



High Level Overview of This Process

PEL Study

- Links transportation planning and environmental / community concerns
- Will identify a Range of Reasonable Alternatives

Today through 2023

National Environmental Policy Act (NEPA) Process

- The Environmental Review Process for compliance with environmental laws
- Will identify a Preferred Alternative

2-4 years

Design and Permitting

- Advanced design of the *Preferred Alternative* and associated break out projects
- State and Federal Permit Procurement

4-6 years

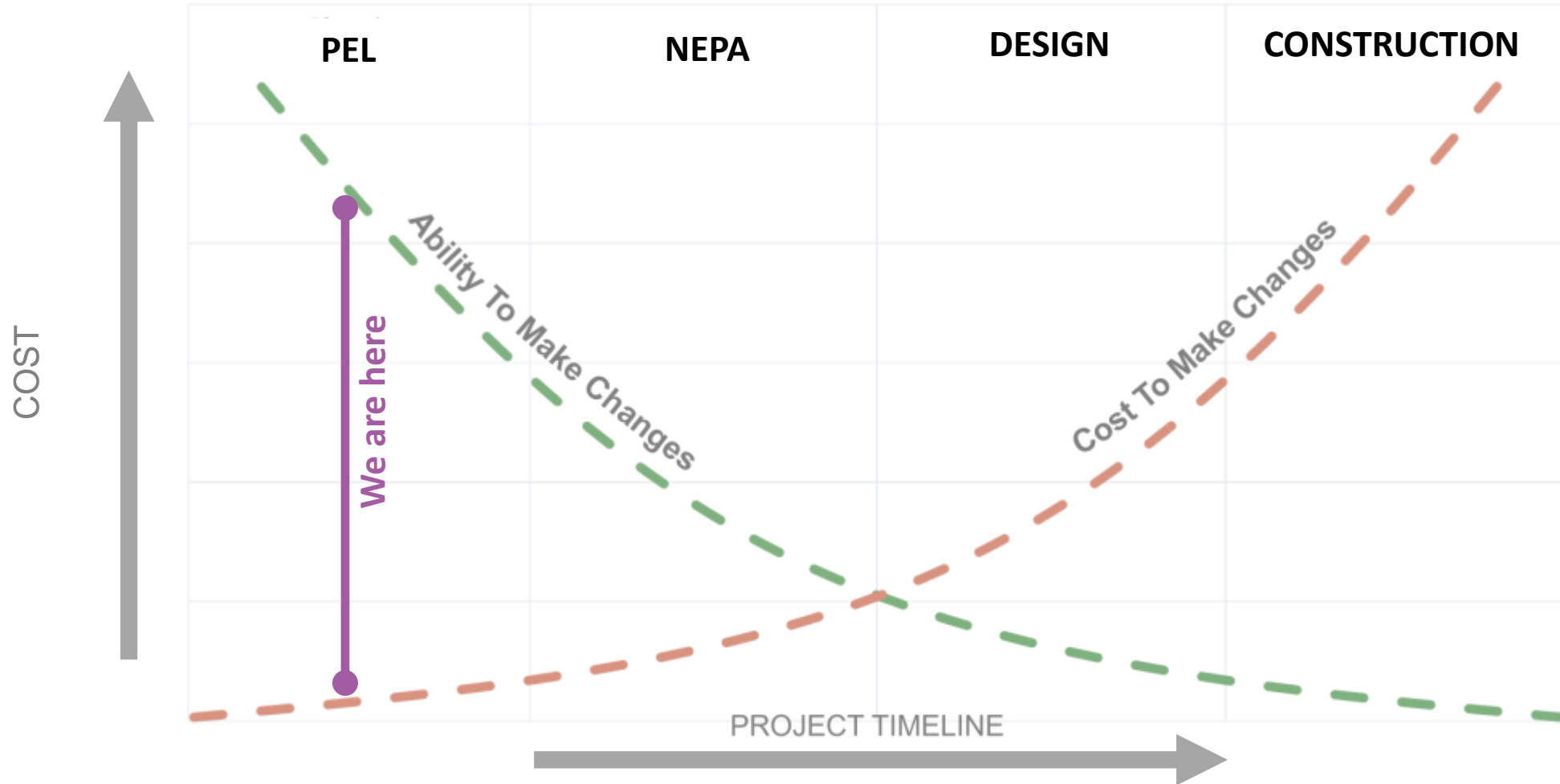
Construction

- Includes the Near-term, and Long-term breakout projects
Anticipated completion in 2045

Initiating early 2030s

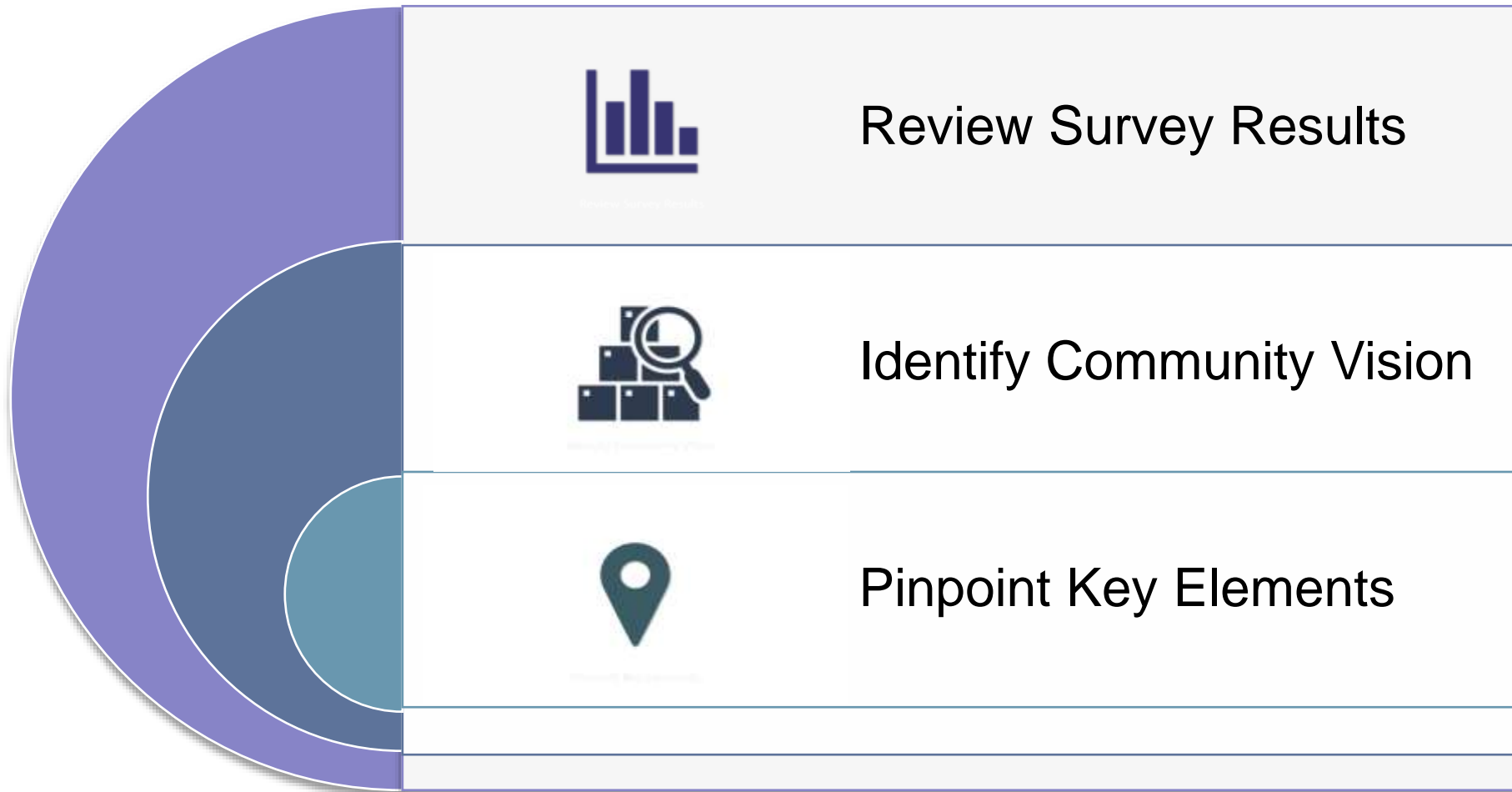


Cost vs. Time



Workshop

Format of today's Workshop





Review Survey Results

PAC Member Survey

Comprised of
Two Ranked
Choice Questions

What is most important to you and why?

Transportation
Improvements
(with examples)

Project-Related
Benefits
(with examples)

Why did we ask?

- Identify project priorities
- CTDOT will use input to refine measures for making screening decisions in subsequent levels

84new
mix



Transportation Improvements

INFRASTRUCTURE IMPROVEMENTS



Newer bridge structures

RECURRING CONGESTION REDUCTION



Alleviation of congestion due to traffic volume

NON-RECURRING CONGESTION MANAGEMENT



Alleviation of congestion due to accidents or emergencies

SAFETY IMPROVEMENTS



Reducing crash rate through infrastructure improvements (e.g., reducing left-hand ramps, extending merging distances, additional signage, etc.)

Project-Related Benefits



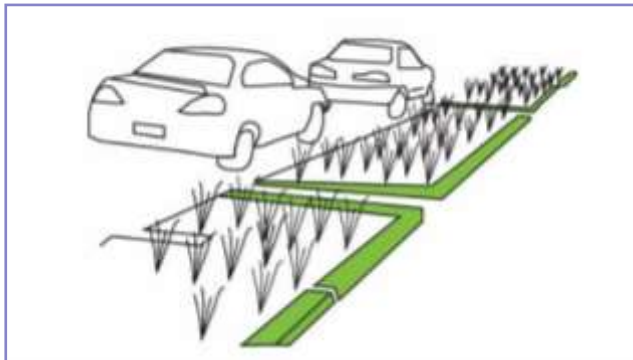
RIVERFRONT AND GREENWAY ACCESS



PUBLIC PARK/OPEN SPACE RETAINMENT OR CREATION



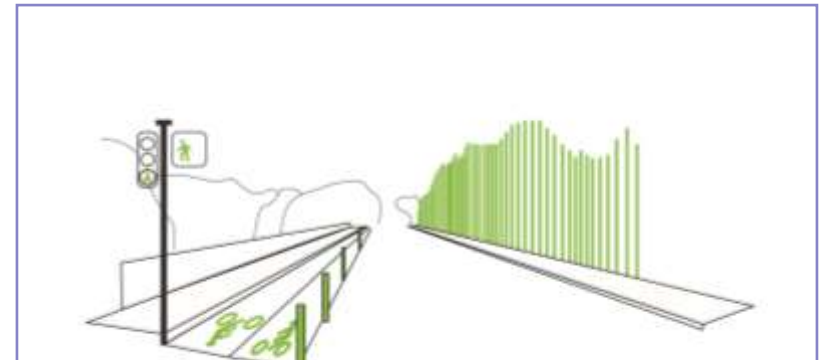
EASE OF ACCESS TO SHOPS, TRAIN STATION, AND TRANSIT WITHIN THE DOWNTOWN AREA



POLLUTION REDUCTION (E.G., AIR, NOISE, OR STORMWATER) AND AVOIDANCE OF IMPACTS



BUS ROUTE OR RAIL EXPANSION



CONNECTED BICYCLE AND PEDESTRIAN FACILITIES ACROSS I-84 AND ROUTE 8

Survey Result Conclusions

Transportation
Improvements

#1

Safety
Improvements

#1

Bus Route or
Rail Expansion

Project-Related Benefits

What does this mean to you?





Identify Community Vision

New Mix Preliminary Purpose & Need Statement

NEEDS (problems)	PURPOSE (solutions)
Structural Deficiencies	To improve I-84/Route 8 bridge conditions.
Geometric Deficiencies	To improve I-84/Route 8 roadway conditions.
Operational (Traffic) Deficiencies (including congestion)	To improve the level of service of I-84/Route 8 and associated local road network.

GOALS & OBJECTIVES (Intended Outcomes)

- Allow for connections to the Naugatuck River and Greenway;
- Enhance mobility equity and safety for bicyclists and pedestrians;
- Integrate the Project with ongoing City projects;
- Improve access to Downtown and key destinations;
- Strengthen surrounding neighborhoods as gateways to the City's Central Business District (CBD);
- Support City revitalizing goals of the CBD;
- Enhance access to multimodal facilities;
- Avoid, minimize or mitigate potential Project consequences to the environment;

Community/
Environment

- Improve system performance;
- Reduce congestion;
- Reduce crash rates;
- Maintain critical system linkages in Connecticut and the Northeast;
- Facilitate connectivity with Waterbury through the local road network including multimodal travel;
- Improve the local roadway network;
- Reduce interchange complexity;

Transportation

May be further refined to incorporate issues and data identified during stakeholder and public involvement processes including coordination with project partners and the public.

New Mix PEL Study Evaluation Criteria

- Enhance Connectivity & Mobility
- Enhance Modal Interrelationships
- Support Economic Development
- Avoid or Minimize Impacts
(Community, Natural Resources,
Cultural Resources, & Sensitive
Populations)

Community/ Environment

- Improve system performance
- Reduce congestion
- Reduce crash rate
- Maintain critical linkages

Transportation

- Maximize Ease of Construction
- Minimize Construction Impacts to
Commuters and the Surrounding
Community
- Provide phasing flexibility

Constructability

- Financial resources can be made
available
- Phasing opportunities and
fundability

Cost

New Mix PEL Study Evaluation Criteria

- Enhance Connectivity & Mobility
- Enhance Modal Interrelationships
- Support Economic Development
- Avoid or Minimize Impacts (Community, Natural Resources, Cultural Resources, & Sensitive Populations)

Community/ Environment

- Improve system performance
- Reduce congestion
- Reduce crash rate
- Maintain critical linkages

Transportation

- Maximize Ease of Construction
- Minimize Construction Impacts to Commuters and the Surrounding Community
- Provide phasing flexibility

Constructability

- Financial resources can be made available
- Phasing opportunities and fundability

Cost

Community/ Environment

Transportation

Challenges

The dark / unlit underpasses at S Main St & Bank St feel unsafe for bicyclists and pedestrians to use.

Travelling from Route 8 NB to Exit 18 WB. Ramps are too close causing slowdowns due to need to cross traffic

Opportunities

Connect / build safer bike & ped facilities along Chase Parkway and Riverside Street

Prioritize open space along Jackson St. for riverfront recapture

Increase ramp spacing between I-84 WB exit 18 and ramps from Route 8 NB and SB

 10:00



Pinpoint Key Elements

Pinpointing Key Elements: What is most important to you?

1 Primary: most important

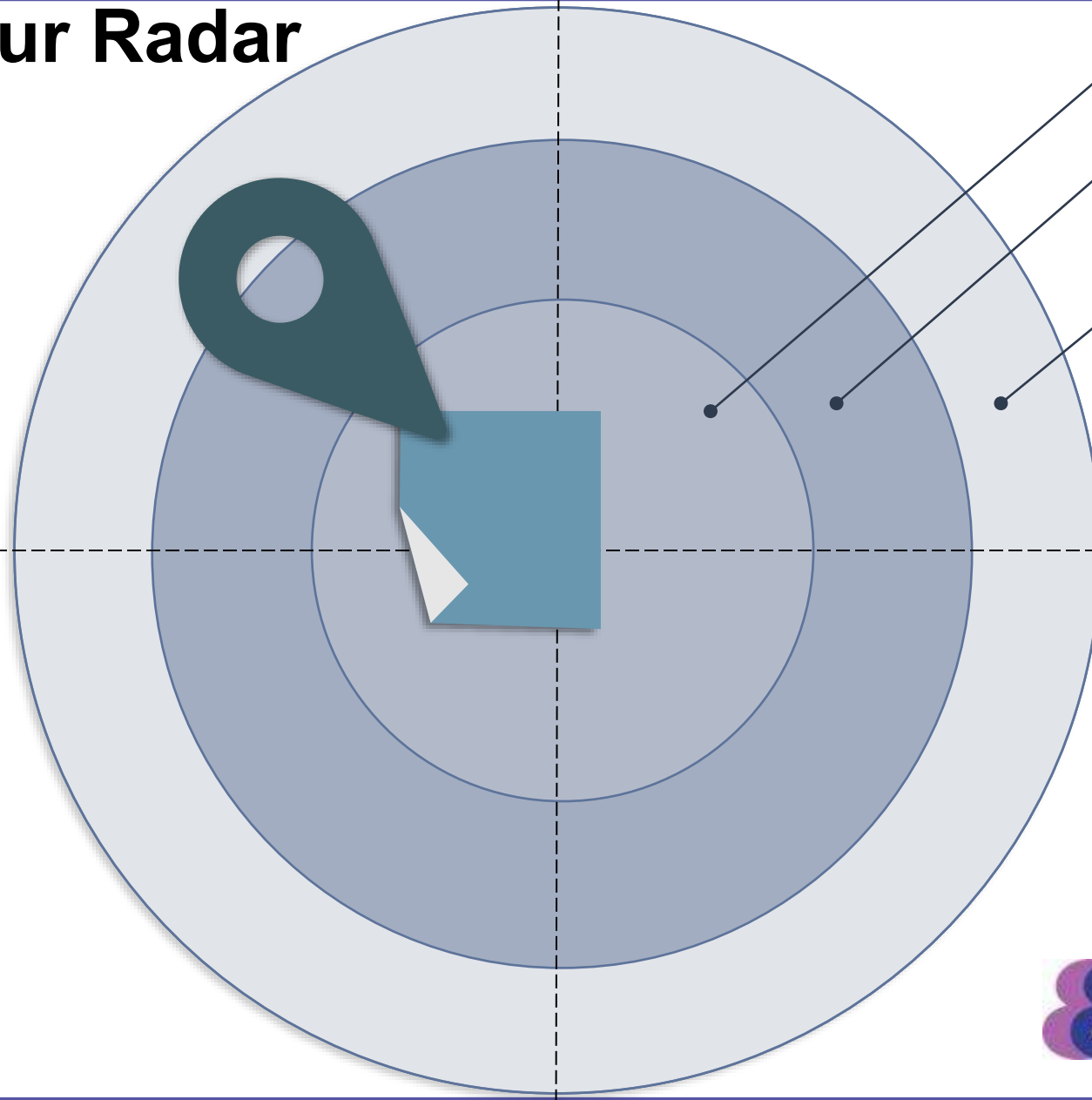
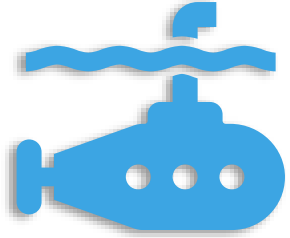
2 Secondary: very important

3 Tertiary: somewhat important

Connect / build safer bike & ped facilities along Chase Parkway and Riverside Street



What's on Your Radar



Primary

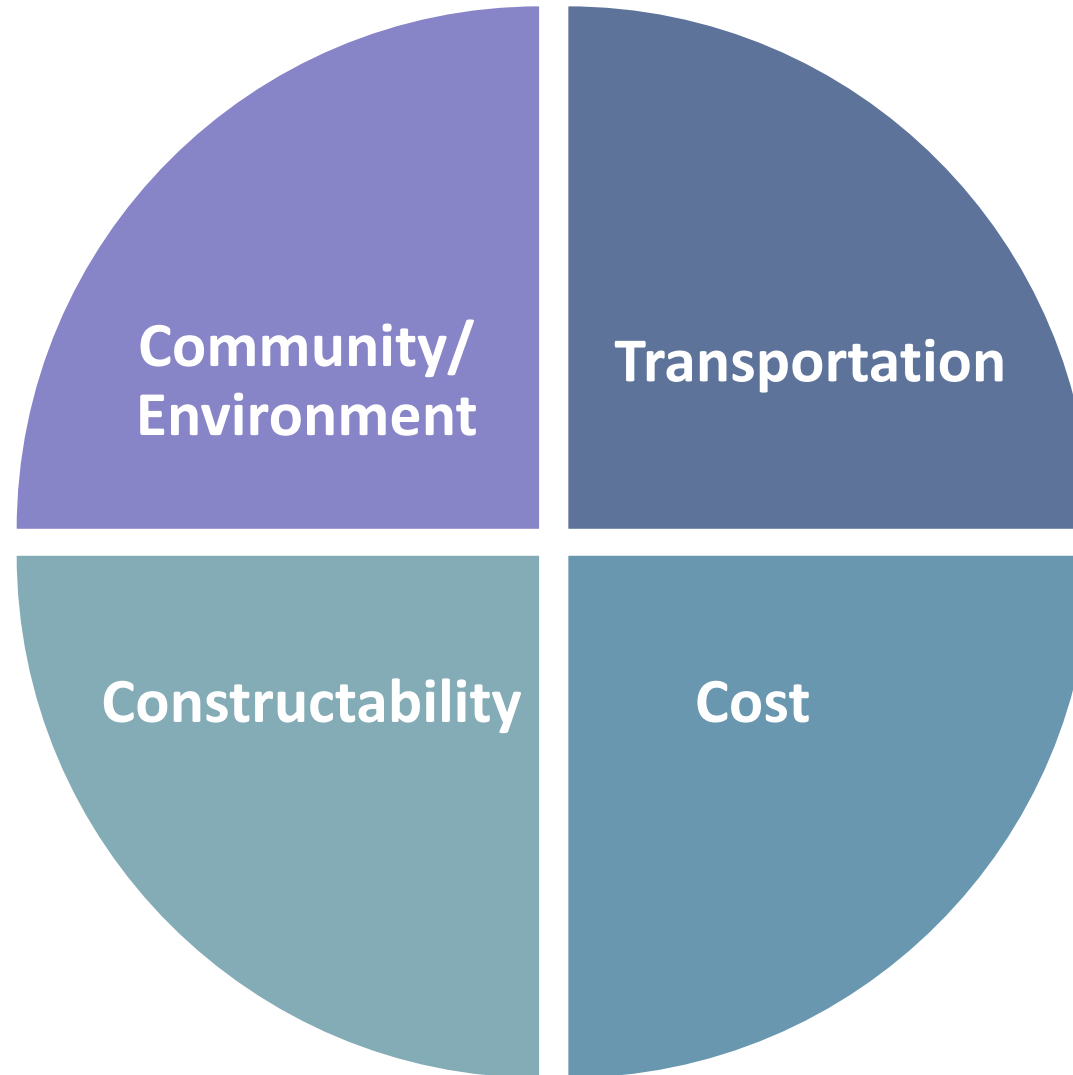
Secondary

Tertiary



Next Steps

New Mix PEL Study Evaluation Criteria



New Mix PEL Study Evaluation Criteria

- Enhance Connectivity & Mobility
- Enhance Modal Interrelationships
- Support Economic Development
- Avoid or Minimize Impacts
(Community, Natural Resources,
Cultural Resources, & Sensitive
Populations)

Community/ Environment

- Improve system performance
- Reduce congestion
- Reduce crash rate
- Maintain critical linkages

Transportation

- Maximize Ease of Construction
- Minimize Construction Impacts to
Commuters and the Surrounding
Community
- Provide phasing flexibility

Constructability

- Financial resources can be made
available
- Phasing opportunities and
fundability

Cost

New Mix PEL Study Screening Process



Level 2 Results: Preliminary Alternatives

Level 3 Results: Range of Reasonable Alternatives

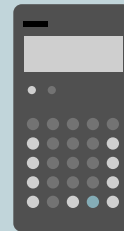
PEL Recommendations

Input from Agencies, PAC, Public, & Stakeholders

Criteria:

Community / Environment
Transportation
Cost
Constructability

SCORING: Rated on how well each alternative can achieve study goals



Most Disadvantage



Neutral



Most Advantage

Before the Next Meeting Continue to...



Review PAC Meeting #4C Materials and provide input.



Explore the Program Website.



Check email for information about the next PAC meeting and scheduling.



Remain excited to participate in our next meeting.



**84new
mix**



Upcoming Meetings and Future PAC Agenda Items

Public Meeting #3 Anticipating January 2023

Where:

Anticipating In-Person TBA

Topics:

- Present Level 1 Screening Results and Measures Workshop
- Open Discussion

PAC Mtg #5 Anticipating March 2023

Where:

TBA

Topics:

- Present Level 2 Screening Results and Level 3 Criteria
- Obtain Input from PAC

PAC Meeting #6 Anticipating May 2023

Where:

TBA

Topics:

- Present Level 3 Results and PEL Recommendation
- Obtain Input from the PAC



Questions & Comments



Thank you.

